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1917 — 1918

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Announcement of the School of Medicine

BENNETT MEDICAL COLLEGE

Published by
THE UNIVERSITY
Chicago

College Calendar 1917 — 1918

1917

FALL SEMESTER

Thursday, Sept. 20..Registration begins.
Monday, Sept. 24...Fall Semester begins.
Friday, Oct. 12.....Columbus day, Holiday.
Wednesday, Nov. 28.Thanksgiving recess begins 6 P. M.
Monday, Dec. 3....School work resumed 8 A. M.
Saturday, Dec. 22...Christmas vacation begins, 6 P. M.

1918

Wednesday, Jan. 2..School work resumed 8 A. M.
Monday, Jan. 21....Term examinations begin.

WINTER SEMESTER

Monday, Jan. 28....Winter semester begins.
Friday, Feb. 22....Washington's Birthday, Holiday.
Thursday, March 28.Easter recess begins 6 P. M.
Monday, April 1....School work resumed, 8 A. M.
Monday, May 20....Final examinations begin.
Thursday May 30...Memorial Day, Holiday.
Monday, June 10...Annual commencement.

SUMMER SEMESTER

Monday, June 3....Summer semester begins.
Thursday, July 4...Independence Day, Holiday.
Monday, Sept. 18...Term examinations begin.

Officers

JOHN B. FURAY, S. J., President.
HENRY S. SPALDING, S. J., Regent.
MAXIMILIAN JOSEPH HERZOG, M. D., LL. D., Dean.
ALFRED DE ROULET, M. Sc., M. D., Secretary.
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HENRY S. SPALDING, S. J., Regent.
ALFRED DE ROULET, M. S., M. D., Secretary.

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HENRY AARON NORDEN, M. D., Secretary of Council.

Faculty

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HENRY S. SPALDING, S. J., REGENT

MAXIMILIAN JOSEPH HERZOG, M. D., LL. D., Dean...59 E. Madison St.
*Professor and Head of Department of Pathology, Bacteriology
and Hygiene.*

EDGAR MEAD READING, A. M., M. D.....6338 Kenwood Ave.
Professor of Neurology.

NATHANIEL ABRAHAM GRAVES, A. B., M. D.....2258 Walton St.
Professor and Head of Department of Medicine.

HENRY FOSTER LEWIS, A. B., M. D.....29 E. Madison St.
Professor and Head of Department of Gynecology and Obstetrics.

JACOB FRANKLIN BURKHOLDER, M. D.....108 N. State St.
Professor and Head of Department of Ophthalmology.

OTTO CHARLES HUBER, B. S., M. D.....3361 W. Madison St.
Professor and Head of Department of Chemistry.

FELIPP KREISSL, M. D.....6 N. Wabash Ave.
Professor and Head of Department of Genito-Urinary Surgery.

ULYSSES JOSHUA GRIM, M. D.....30 N. Michigan Ave.
Professor of Otology and Rhino-Laryngology.

FRANK MARION HORSTMAN, B. S., M. D.....528 S. Millard Ave.
*Professor and Head of Department of Physiology and
Pharmacology.*

HUGH NEIL MACKECHNIE, A. B., M. D., C. M., F. T. M. C.....
.....7 W. Madison St.
Professor and Head of Department of Surgery.

WILLIAM JOHN POLLOCK, B. S., M. D.....2100 W. Chicago Ave.
Professor of Medicine.

CHARLES JOSEPH WHALEN, M. A., LL. B., M. D..25 E. Washington St.
Professor of Medicine.

ANTON THEODORE HARRIS HOLMBOE, M. D.....3108 Logan Boul.
Professor of Orthopedic Surgery.

- CHARLES ALBERT WADE, M. D.....3218 W. Jackson Boul.
Professor of Pediatrics.
- WILLIAM N. BISPHAM, M. C., U. S. A.....Federal Bldg.
Professor of Military Surgery.
- THOMAS HOGAN, LL. B.....815 Ashland Block
Professor of Medical Jurisprudence.
- KAZIMIR AMBROSE ZURAWSKI, B. A., M. D.....32 N. State St.
Professor of Dermatology.
- ALFRED DE ROULET, M. S., M. D. Secretary.....15 E. Washington St.
Professor of Gynecology.
- LESLIE FREDERICK MACDIARMID, M. D.....7 W. Madison St.
Professor and Head of Department of Therapeutics.
- HENRY AARON NORDEN, M. D.29 E. Madison St.
Professor of Medicine (Chest Diseases)
- ARTHUR HENRY WEIS, M. D.....5 N. Wabash Ave.
Professor of Medicine (Gastro-Intestinal Diseases)
- CYRUS BLAZER MCCLURG, M. D.....1358 W. Fulton St.
Professor and Head of Department of Anatomy.
- EDWIN GARVEY KIRK, B. S., M. D., Ph. D.....834 E. 56th St.
Professor of Pathology and Bacteriology.
- WILLIAM O. KROHN, A. M., M. D., Ph. D.....29 E. Madison Ave.
Professor of Psychiatry.
- EDWARD MORGAN, S. J.....Loyola University
Professor of Chemistry.
- LUCIUS C. PARDEE, A. M., M. D.....30 N. Michigan Blvd.
Professor of Dermatology.
- WILLIAM BERINGER MARCUSSEN, A. M., M. D....1551 W. Madison St.
Clinical Professor of Surgery (Jefferson Park Hospital).
- FRANK BYRNES, M. D.....29 E. Madison St.
Clinical Professor of Surgery (Columbus Hospital).
- WILLIAM ALLEN PORTER, M. D.....7 W. Madison St.
Clinical Professor of Otolaryngology and Rhinology.
- WILLIAM KOENIG SPIECE.....29 E. Madison St.
Clinical Professor of Otolaryngology and Rhinology.
- ARTHUR EDWARD LEHNER, M. D.....3001 N. Central Park Ave.
Clinical Professor of Medicine.
- GEORGE DE TARNOWSKY, M. D., F. A. C. S.....30 N. Michigan Ave.
Clinical Professor of Surgery (Cook County Hospital).

- WILLIAM JAMES HURLY, M. D.....6559 S. Halsted St.
Clinical Professor of Surgery.
- DANIEL E. MURPHY, M. D.1624 Fullerton Ave.
Clinical Professor of Surgery.
- JOHN BENJAMIN HAEBERLIN, M. D.....5 E. Garfield Boul.
Clinical Professor of Medicine (St. Bernard's Hospital).
- THOMAS J. CONLEY, M. D.....2256 Kedzie Ave.
Clinical Professor of Surgery (Westside Hospital).
- FREDERICK A. RETTIG, M. D.2026 Osgood St.
Clinical Professor of Medicine (Alexian Brothers Hospital).
- PATRICK A. SULLIVAN, M. D.....234 Center Ave.
Clinical Professor of Surgery (St. Elizabeth's Hospital).
- WILLIAM HESSERT, M. D.....547 Fullerton Ave.
Clinical Professor of Surgery (Alexian Brothers Hospital).
- EDWARD WILLIAM WHITE, M. D.....5 S. Wabash Ave.
*Clinical Professor of Genito-Urinary Surgery (Alexian
Brothers Hospital).*
- GEORGE MUELLER, M. D.....2024 Pierce Ave.
Clinical Professor of Surgery (St. Marys of Nazareth Hospital).
- THOMAS A. KELLY, M. D.....7301 Kenwood Ave.
Clinical Professor of Surgery (Washington Park Hospital).
- JOHN J. MEANY, M. D., F. A. C. S.....3736 W. Chicago Ave.
Clinical Professor of Surgery (St. Anne's Hospital).
- JEREMIAH H. WALSH, M. D.3202 Washington Boul.
Clinical Professor of Surgery (St. Anne's Hospital).
- WILLIAM J. ANDERSON, M. D.....2303 Milwaukee Ave.
Clinical Professor of Genito Urinary Surgery (Bridewell Hosp.).
- HERMAN A. KLEIN, M. D.....5 S. Wabash Ave.
Clinical Professor of Medicine (Alexian Bros. Hospital).
- CHARLES AUGUSTUS BURKHOLDER, B. S., M. D.....1138 E. 63rd St.
Associate Professor of Ophthalmology.
- GEORGE LEONARD APFELBACH, A. B., M. D.....25 E. Washington St.
Associate Professor of Medicine (Physical Diagnosis).
- GEORGE G. O'CONNELL, M. D.....1062 W. Chicago Ave.
Associate Professor of Anatomy.
- CHARLES HENRY SOLOMON, M. D.....32 N. State St.
Assistant Professor of Genito Urinary Surgery.
- RICHARD JAY LAMBERT, M. D., Ph. G.St. Charles, Ill.
Assistant Professor of Therapeutics.

- BENJAMIN EDELSTEIN ELLIOTT, B. Sc., M. D.....309 E. 47th St.
Assistant Professor of Gynecology and Demonstrator of Anatomy.
- EUGENE LAWRENCE HARTIGAN, Ph.B., S. B., M. D..9154 Commercial Ave.
Instructor in Surgery.
- JACK RALPH LAVIERI, M. D.....1237 W. Grand Ave.
Assistant Professor of Obstetrics
- THOMAS J. FOLEY, M. D.....25 E. Washington St.
Assistant Professor of Medicine.
- WILLIAM F. SCOTT, M. D.....Melrose Park
Assistant Clinical Professor of Surgery (Oak Park Hospital).
- ARTHUR LOEWY, M. D.....Oak Park
Assistant Clinical Professor of Medicine (Oak Park Hospital).
- ROBERT GARFIELD SAVAGE.....Oak Park
Assistant Clinical Professor of Obstetrics (Oak Park Hospital).
- THOMAS DOWNS LAFTRY, M. D.16 N. Kedzie Ave.
Assistant Clinical Professor of Surgery (Jefferson Park Hosp.).
- JUNIATA L. EDMONDSON, M. B., M. D.....1360 W. Fulton St.
Instructor in Pathology.
- FRANCES HELEN COOK, M. D.....7631 Sangamon St.
Instructor in Pediatrics.
- JAMES H. ROBINSON, M. D.....3400 Lawrence Ave.
Instructor in Surgery.
- ANDREW COSMAS GARVY, A. B., M. D.....6000 Sheridan Road
Instructor in Surgery.
- HERBERT WEIR GRAY, M. D.4500 Whipple St.
Instructor in Medicine.
- CLEVELAND CHARLES MACLANE, B. Sc., M. D. C., M. D..1360 Fulton St.
Instructor in Pathology.
- HARRY J. DOOLEY, M. D.....4000 W. Harrison St.
Instructor in Surgery.
- DAVID O'SHEA, A. M., M. D.....4231 Kenmore Ave.
Instructor in Medicine (Tuberculosis)
- JOHN ANTHONY SULDANE, M. D.2444 Wilcox Ave.
Instructor in Pediatrics.
- ROBERT ARNOT SEMPILL, M. D.7 W. Madison St.
Instructor in Dermatology.
- MEYER D. MOLEDEZKY, B. S., M. D.....59 E. Madison St.
Instructor in Serology.
- ALFRED THOMAS BARRETT, M. D.2516 E. 74th St.
Instructor in Obstetrics.

- RICHARD STARR PATILLO, M. D.15 E. Washington St.
Instructor in Ophthalmology.
- JOHN M. BERGER, M. D.....7 W. Madison St.
Instructor in Surgery.
- WALTER SULLIVAN, A. M., M. D.....4709 Michigan Boul.
Demonstrator of Anatomy.
- JOHN KILLEEN, A. B., M. D.....104 S. Michigan Ave.
Instructor in Otology, Rhinology and Laryngology.
- MICHAEL L. GALLAGHER, M. D.4802 N. Western Ave.
Instructor in Physiologic Therapeutics.
- THOMAS G. WALLIN, M. D.....1659 Addison St.
Instructor in Surgery.
- EDWARD N. REDDEN, M. D.....2358 W. Lake St.
Instructor in Surgery.
- ANDREW OTTERAEEN, M. D.....1314 N. California Ave.
Instructor in Pathology.
- EDWARD AUGUSTINE CORCORAN, M. D.....3159 Jackson Boul.
Instructor in Surgery.
- RICHARD JOHN O'CONNELL, M. D.....3100 Logan Boul.
Instructor in Medicine.
- FRANCIS V. CARBERRY, M. D.....5453 S. Halsted St.
Instructor in Gynecology.
- LOUIS G. WEHRLE, B. S., M. D.....63rd St. and Kimbark Ave.
Instructor in Materia Medica.
- WILLIAM J. MULHOLLAND, B. S., M. D.....6537 Ellis Ave.
Instructor in Medicine.
- GEORGE MARCHMONT ROBINSON, B. S., M. D.....1360 Fulton St.
Instructor in Physiology.
- LOUIS ROSE, M. D.....309 E. 47th St.
Instructor in Obstetrics.
- PAUL KELLY, M. D.....4600 N. Kedzie Ave.
Instructor in Surgery.
- JOHN JOSEPH GUERIN, M. D.....4310 W. Jackson Blvd.
Instructor in Surgery (West Side Hospital).
- IRA ROBERTSON, M. D.....1404 W. Monroe St.
Assistant Instructor in Anatomy.
- ELMER H. FLYNN, M. D.....3168 Ogden Ave.
Clinical Instructor in Surgery.
- WILLIAM ROSCOE READ, M. D.....652 N. Trumbull St.
Assistant Instructor in Anatomy.

General Information

Historical

St. Ignatius College was chartered by the Illinois State Legislature in 1869. In 1909 the college had developed to a point where the addition of new departments seemed advisable and Loyola University was accordingly incorporated.

A large tract of ground was purchased at Loyola Ave. and Lake Michigan and buildings erected for the School of Science and the Cudahy School of Engineering. Schools of Law, Sociology and Pharmacy were established in rapid succession while an affiliation was formed by which the Illinois Medical College became the Medical Department of Loyola University. In 1910 the Illinois, the Bennett and Reliance Medical Colleges merged to form the Bennett Medical College, the affiliation continuing until 1915 when the Bennett Medical College passed under the complete control of the trustees and became the Loyola University School of Medicine.

Loyola University School of Medicine

The Medical School is now reorganized on a University basis, the Departments of Anatomy, Chemistry, Pathology and Bacteriology, Physiology and Pharmacology being in charge of professors who devote their entire time to teaching and research.

The College Building

The building occupied by the Medical School is located in a neighborhood easily accessible and within a few blocks of Chicago's great medical center. The building is well heated, lighted and ventilated. In this building is a large amphitheatre, 3 commodious lecture rooms, the various laboratories—a large reading room and numerous smaller rooms for various purposes.

On the first floor is the Physiology Laboratory fitted with the necessary apparatus and equipment for a thorough course in modern physiology, including animal experimentation.

Each of the ten tables is provided with complete blood staining and counting outfits, Harvard Kymographs, manometers, sphygmomanometers, Dudgeon's sphygmographs, haemocytometers, etc. By means of recently installed special equipment each table is also furnished with stimulating and timing currents, the timing current being connected with an electric clock of the latest pattern.

This laboratory is also used at present for the experimental work of the pharmacology department.

On the second floor is the Chemical Laboratory, fitted with modern desks and tables, with running water, gas hoods, and the necessary appliances for teaching organic and physiologic chemistry. The work in inorganic chemistry, qualitative and volumetric analysis is given as a college course in the School of Science.

On the third floor of the new wing is the Anatomical Laboratory. This room is well lighted, ventilated and is at all times entirely free from odor. It is liberally supplied with porcelain washstands and hot and cold water and is well provided with blackboards, charts, diagrams, models, skeletons, special dissections and all conveniences and facilities for the study of anatomy.

The laboratories devoted to Histology, Pathology and Bacteriology are located in the old building and are well equipped for teaching these sciences. Excellent microscopes are furnished each student together with necessary stains and supplies for preparing and mounting sections, making cultures, etc. The equipment also includes microtomes, refrigerators, sterilizers, incubators, electric centrifuges and all apparatus necessary for thorough scientific work.

There is an excellent Museum in connection with Pathology Laboratory. In this museum is a large and rapidly increasing collection of preparations illustrating important pathological conditions mounted in Kaiserling Crystals for class

demonstration. The department of Obstetrics and Gynecology also has an excellent teaching museum containing specimens of all the more common monsters and a number of dissections and preparations showing the normal anatomy of the female pelvis, a large collection of embryos in varying stages of development. There is also a collection of wax models showing all of the more common and many of the rarer gynecological diseases.

Each floor is provided with lecture rooms for classes, private rooms for teachers and for students who wish to devote time to advanced or research work.

Library

The reading room on the first floor is easily accessible to the students and contains reference books, monographs, recent text books and the more important American and foreign Journals. In addition to this the students not only have free access to but are required to make constant use of the splendid medical collection in the John Crerar Library.

Clinical Facilities

Through its affiliations with different hospitals and dispensaries the school is able to offer an abundance of practical clinical instruction.

In the Junior year students are assigned in small sections to the college dispensary, while two half days each week are spent in general clinics at the Jefferson Park Hospital. The Juniors attend autopsies at the Cook County Hospital morgue—one morning each week.

In the Senior year the student receives each week approximately 20 hours of personal clinical instruction in one or more of the hospitals associated with this school. Students are required to examine patients, write histories and do all necessary laboratory work to establish a diagnosis in the cases assigned them, as well as to outline a course of treatment, which is submitted to their instructors for criticism and correction. Small groups of Students receive instruction each month in the following institutions:

Cook County Hospital—2,200 beds.
Mary Crane Nursery and Hospital—out patient department.
Mercy Hospital—560 beds.
Alexian Brothers Hospital—300 beds.
St. Bernard's Hospital—200 beds.
St. Anne's Hospital—150 beds.
St. Elizabeth's Hospital—175 beds.
Norwegian Deaconess Hospital—90 beds.
St. Mary's of Nazareth Hospital—225 beds.
Oak Park Hospital—100 beds.
Lakeside Hospital—100 beds.
The Bridewell Hospital—100 beds.
The Jefferson Park Hospital—75 beds.
The Washington Park Hospital—100 beds.
The Columbus Hospital—150 beds.
The College Dispensary.
The Guardian Angel Dispensary.
The Salvation Army Dispensary.
St. Anthony of Padua Hospital.

Requirements for Admission

The University offers three courses leading to the degree of Doctor of Medicine.

A Four Year Course for students who present, in addition to a four year high school diploma or its equivalent, credits for one year's college work in Chemistry, Physics and Biology.

A Six Year Course for students who have completed four years high school work. This Course leads to the combined B. Sc., M. D., degree.

Students are not classified as Medical Students until the Collegiate work is completed.

Admission

Students will be accepted by the School of Medicine upon presentation of

(a) A Bachelor's Degree from an approved college or University, provided the degree includes the required work in Chemistry, Physics and Biology, or

(b) Satisfactory credentials covering at least one year's college work in Chemistry, Physics and Biology, in addition to four years of High School work.

High School diplomas or their equivalent will be accepted on the following terms:

The graduate of an academy or high school must present a diploma and transcript of record from an accredited school requiring for graduation the completion of a standard four year high school course which must include three (3) units of English, one (1) unit of Algebra, one (1) unit of Plain Geometry, two (2) units of a Foreign Language, and one (1) unit of American History and Civics, and at least eight units of further credit in science, history, language, literature or mathematics making a total of not less than 15 units.

A student who is not a high school graduate must present a certificate from the State Superintendent of Public Instruction which certificate must cover the 8 required units mentioned in the preceding paragraph. The remaining units may be earned by a successful examination in a sufficient number of the following subjects where the units as here indicated total at least seven: Agriculture, $\frac{1}{2}$; Astronomy, $\frac{1}{2}$; Book-keeping, $\frac{1}{2}$; Botany, $\frac{1}{2}$; Chemistry, 1; Commercial Arithmetic, $\frac{1}{2}$; Commercial Geography, $\frac{1}{2}$; Domestic Science, $\frac{1}{2}$; Free Hand Drawing, $\frac{1}{2}$; Economics, $\frac{1}{2}$; French, 1 to 4; German, 1 to 4; Greek, 1 to 3; General History, 1; English History, 1; Latin, 1 to 4; Manual training, $\frac{1}{2}$; Mechanical Drawing, $\frac{1}{2}$; Physics, 1; Physiography, $\frac{1}{2}$; Physiology, $\frac{1}{2}$; Solid Geometry, $\frac{1}{2}$; Spanish, 1 to 2; Trigonometry, $\frac{1}{2}$; Zoology, $\frac{1}{2}$.

One unit in any subject is the equivalent of work in that subject for four or five periods per week for a school year of 36 weeks, periods to be not less than 45 minutes in length.

B. S. IN MEDICINE

Students preparing for medicine may obtain the degree of Bachelor of Science in Medicine by attending The School of Arts and Science two years and the School of Medicine, Loyola University, four years. At the end of his medical course the student receives the B. S. in Medicine with the M. D. degree.

SCHEDULE FOR THE B. S. IN MEDICINE DEGREE

Freshman Year

1. Chemistry 5 hours
2. English 3 hours
3. Modern Language 5 hours
4. Elective (one to be taken): Mathematics or history..... 3 hours

Sophomore Year

1. Philosophy 5 hours
2. Biology 4 hours

3. Physics 4 hours
4. Modern Language, preferably German
or French 5 hours

All students preparing for Medicine are urged to enter this Six Year Combined Arts and Medical Course since it furnishes the broad training which enables the medical practitioner to rise to the highest level of his profession. Besides, the B. S. degree has the practical advantage of fulfilling the requirements of all the states in the matter of preliminary medical education.

Time of Admission

The school year begins September 24, 1917, and registration closes October 5, 1917.

Grading

The student's work is graded on the scale of 100 but no numerical grades are issued. The following system of grades has been adopted:

- A 90 to 100 inclusive.
- B 80 to 89 inclusive.
- C 75 to 79 inclusive.
- D 65 to 74 inclusive.
- E below 65.

A grade of D conditions the student who may take an examination at the next regular conditional examination. Failure to pass this examination constitutes a failure and the work must be repeated in class before the student is again eligible for examination.

A grade of E constitutes a failure and the work must be repeated in class.

Any student whose work is repeated because defective may be requested to withdraw from the school.

Rules Regarding Conditions and Failures

No entrance condition may be carried into the Sophomore year.

No Freshman deficiency may be carried into the Junior Year.

No Sophomore deficiency may be carried into the Senior Year.

No Junior deficiencies may be carried into the second semester of the Senior Year.

Students who fail in any subject are required to repeat that subject again the following year, and to omit any subjects in the advanced year's work which conflicts. Failure in more than 2 subjects means repeating the entire year's work.

Special examinations for the removal of conditions can be given only by permission of the Executive Committee, and all such examinations must be given in the Dean's Office by the Heads of the Departments imposing the conditions. The fee for a special examination is five dollars.

Regular examinations for the removal of conditions are held at the end of each semester. The fee is two dollars for each subject taken.

Advanced Standing

Time credit is given for attendance at recognized Medical Schools with requirements equal to those of Loyola University.

Students who have studied Medicine in other recognized Medical Schools may receive subject credit provided they have passed satisfactory examinations in the branches which they have completed and that they satisfy the Council that the work they have had is equal to that given in this school. No credit is given for work in C grade schools or in schools not fully recognized by the Illinois State Board of Health.

Students applying for admission to the Senior Class will be required before admission to pass all examinations in the work of the Junior Year.

General Plan of Instruction

The curriculum in medicine extends over four years. The first two years are devoted to laboratory work in the fundamental sciences, anatomy, histology, physiology, chemistry, pathology, bacteriology, pharmacology and therapeutics. In the second year the student is given one hour each week in physical diagnosis and in minor surgery and bandaging.

The third year is devoted almost entirely to class work in medicine, surgery, obstetrics and gynecology and the more important specialities.

In the fourth year the work is principally clinical although a certain amount of didactic work is continued. Members of the Senior Class are eligible for appointments as externes, during the forenoon, in a number of the hospitals associated with the Medical School.

Requirements for Graduation

A candidate for the degree of Doctor of Medicine must be at least 21 years of age and of good moral character.

He must have fulfilled all the requirements for admission to the Medical School.

He must give evidence of having studied Medicine for 4 full years in a recognized School of Medicine of which the last year must have been spent in the regular fourth-year course of this school.

He must pass all required examinations.

All indebtedness to the school must have been paid.

Examinations

Term examinations on the work pursued by students are given at the end of each semester. These examinations are usually written but may be partially or wholly practical or oral at the discretion of the instructor.

The school reserves the right to revise the existing regulations regarding examinations at any time.

Fees for Regular Courses

Matriculation fee (paid but once).....	\$ 5.00
Tuition fee each year.....	140.00
Tuition for students matriculating after January, 1918	150.00
Breakage deposit (returnable).....	5.00
Locker fee (required).....	1.00
Diploma Fee	25.00

The fees for each annual session may be paid as follows: The student electing the plan he will accept and signing a contract in case of plan B or C.

A. Payment in full on or before October 1st.

B. Payment of one-half on or before October 1st and one-half on or before February 1st. In this case \$3.00 is added to the first payment.

C. Payment of one-third on or before October 1st, one-third on or before January 1st and one-third on or before March 1st. In this case \$5.00 will be added to the first payment.

A student accepting plan B or C may be debarred from classes on failure to meet payments when due.

From the breakage deposit will be deducted pro rata the cost of unnecessary damage to the college building and equipment which cannot be assessed to the individual responsible. The purpose of this is to make every student a guardian of the college property. The balance remaining will be refunded at the end of each college year when keys and other college property are returned in good condition.

INTERNSHIPS

Every Medical Student should complete his education by a service of one or two years in a good hospital before going into private practice. This is already required in two states and within a few years will probably be a prerequisite to Med-

ical Licensure in most of the States. Graduates of this school are eligible for examinations for positions on the house staff of the County Hospital, Oak Forest Infirmary, Alexian Brothers, St. Bernard's, St. Elizabeth's, St. Anne's, St. Mary's of Nazareth, the Columbus, Washington Park, Englewood, Norwegian Deaconess, German, German Deaconess, Jefferson Park, Lakeside and West Suburban Hospitals. A number of out of town hospitals as well as several in the City appoint their internes without examination on recommendation of the authorities of the Medical School.

Plan of Instruction

FRESHMAN YEAR

Subjects	Recitations	Laboratory	Total
Histology and Embryology.....	68	136	204
Anatomy	102	306	408
Physiology	68	68	136
Chemistry, Organic	68	238	306
Materia Medica.....	34	...	34

SOPHOMORE YEAR

Subjects	Recitations	Laboratory	Total
Chemistry, Physiologic	102	136	238
Pathology	34	204	238
Anatomy	68	204	272
Pharmacology.	34	68	102
Physiology	102	204	306
Physical Diagnosis.....	34	...	34
Minor Surgery	34	...	34

JUNIOR YEAR

Subjects	Lectures	Clinics	Total
Medicine	272	34	306
Surgery	170	68	238
Obstetrics and Gynecology.....	170	...	170
Medical Diagnosis	68	...	68
Therapeutics	68	...	68
Pediatrics	68	...	68
Clinical Pathology	68	...	68
Dermatology	34	...	34
Autopsies	68	...	68
Ear, Nose and Throat.....	34	...	34
Ophthalmology	34	...	34
Pharmacology.	34	...	34
Dispensary Clinics	102	102

SENIOR YEAR

Subjects	Lectures	Clinics	Total
Medicine	170	...	170
Surgery	170	...	170
Obstetrics and Gynecology	136	...	136
Ophthalmology	34	...	34
Rhinology	34	...	34
Neurology	68	...	68
Psychiatry	34	...	34
Dermatology	34	...	34
G. U. Surgery.....	34	...	34
Hygiene	34	...	34
Orthopedic Surgery	34	...	34
Hospital Clinics	640	640
Military Surgery and Administration	34	...	34

CHEMISTRY AND TOXICOLOGY

Freshman

1. *Organic Chemistry*: As an introduction to organic chemistry, the aliphatic and the aromatic series are covered and studied from the viewpoint of recent medical research in this fundamental branch of chemical science. 48 hours.

Laboratory: Four hours a week, first term. As many synthetic organic compounds are made in the laboratory as time will permit. They are taken from the didactic work and are selected mainly for their illustrative importance. 64 hours.

2. *Toxicology*: Lectures and recitations, three hours each week. Second term. The toxicology of both inorganic and organic poisons thoroughly studied.

Laboratory: Four hours a week. Second term. Laboratory experiments are given covering identification of the various poisons as well as the quantitative estimation.

Sophomore Year

3. *Physiological Chemistry*, Lectures and recitations, three hours each week, throughout the year. This course covers the whole field of general physiological chemistry. Proteins, fats and carbohydrates studied in detail. The digestion of food by enzymes and digestive agents, as well as the intermediary and end products are considered. The chemistry of urine, blood, milk, etc., is thoroughly presented. 96 hours.

Laboratory Work: Four hours each week, second term. Laboratory experiments are given covering the above work. These experiments include work on fats, carbohydrates, protein, enzymes, uranalysis, gastric analysis, milk analysis and fecal analysis. 128 hours.

Text-Books

Organic Chemistry—Holland, Simon, Remsen, Cole.

Physiological Chemistry: Reference—Hawk, Saxe, Holland, Purdy, Simon's Clinical Diagnosis.

Synthetic Chemistry—Cohen, Lassar-Cohn.

Toxicology—Antenreith-Warren.

DEPARTMENT OF PHYSIOLOGY AND PHARMACOLOGY

Physiology

Work in this department is closely connected with that in Anatomy, History, Chemistry and Biology.

The systematic presentation of the science of Physiology in lectures and recitations is based upon laboratory experiments and demonstrations. Each student demonstrates the fundamental laws of physiology in the laboratory, and direct practical application is made in the didactic work.

Freshman

Comparative Physiology

Lectures and Recitations 2 hours per week.

Laboratory 2 hours per week, during the first five weeks.

This course bridges the gap between the pre-freshman course in college Biology and medical course in Human Physiology and is not in any sense a repetition of Biology or a summarization of Physiology.

It does, however, serve to give the student a proper view point in his subsequent work in Physiology.

Hematology, Physiology of Circulation and Respiration.

Lectures and recitations 2 hours per week, throughout the remainder of the year.

Laboratory 2 hours per week.

Each student makes a complete study of stained and unstained blood, including the differential leukocyte count and agglutinins, precipitins and hemolysins. He studies circulation and respiration upon the living subject, a large part of this being operative work upon anaesthetized mammals.

Sophomore

Physiology of Digestion, Absorption, Secretion, Metabolism, Heat Production and Regulation, Internal Secretions, Muscle-nerve, Central Nervous System, and Special Senses.

Lectures and Recitations 3 hours per week.

Laboratory 4 hours per week, throughout the year.

Over two hundred and fifty fundamental experiments in physiology are completed by the student during the Freshman and Sophomore years, in addition to the work in Comparative Physiology.

Each student is required to present a thesis at the end of each semester, the same being prepared under the direction of the head of the department.

Pharmacology

The work in Pharmacology is begun in the Sophomore year after the student has completed his didactic and laboratory courses in Materia Medica and Pharmacy, the work in Pharmacology being made strictly a course in Pharmacodynamics and not a smattering of general drug knowledge. This gives the student a scientific basis in the application of therapeutics during his Junior and Senior years.

Sophomore

Lectures and Recitations, 1 hour per week.

Laboratory, 2 hours per week, throughout the year.

Junior

Lectures and Recitations, 1 hour per week.

Laboratory, 1 hour per week, throughout the year.

A thesis based upon original sources, prepared under the direction of the head of the department, is required of each student at the end of the Junior year.

Textbooks

Physiology—Howell; Horstman—Laboratory Manual.

References—Starling; Stewart; Bayliss General Physiology; Bainbridge and Menzies; Brubaker; Halliburton.

Pharmacology—Cushny; Green Laboratory Outlines; Sollman Laboratory Guide; Amer. Med. Assn. Useful Drugs.

References—Greene; Tyrode; Jackson.

DEPARTMENT OF ANATOMY, HISTOLOGY AND EMBRYOLOGY

The department of Anatomy is organized to provide for instruction in vertebrate anatomy, including human anatomy, histology, embryology and neurology. The courses in these branches are given in the second and third years. In the fourth and fifth years small sections of the classes are instructed in surgical anatomy and operative surgery on the cadaver. The anatomy of the specialties, Ophthalmology, Rhineology, Otolology and Laryngology, is studied under the direction of the heads of these departments.

The anatomical laboratory is situated on the top floor of the new wing. This laboratory is large and well lighted. Space is provided for twenty-five tables. Division of the classes into sections provides ample room for successful work. The courses in Histology, Embryology and Neurology are conducted in the large laboratory for microscopic anatomy, on the same floor as the dissecting room. Each student is supplied with a modern microscope and the necessary laboratory accessories.

Each student must present evidence of dissection of a lateral half of a cadaver. The work is divided into four parts: (a) Dissection of an arm; (b) Dissection of a leg; (c) Dissection of abdomen; (d) Dissection of head and neck and thorax.

Freshman Year

(1) *General Anatomy*: An elementary course for the medical student on the anatomy of the circulatory, respiratory and gastro-intestinal organs (2 hours a week).

(2) *Osteology*: This course is given during the first term and consists of didactic lectures (2 hours a week) and laboratory work (2 hours a week). The student is provided with bones or models of the same for study. 64 hours.

(3) *Regional Anatomy*: A didactic course consisting of two lectures a week covering the part being dissected; laboratory work consisting of dissection, drawings and rigid quiz



LOYOLA UNIVERSITY

School of Medicine
BENNETT MEDICAL COLLEGE

with illustrations of some of the

HOSPITALS

associated with the University

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work. This course, comprising 16 hours a week, is continued throughout the year. 480 hours.

(4) *Cytology, Histology and Embryology*: A brief introductory course on the structure of the cell and the classification of tissues, followed by a systematic study of the structure of the organs and human embryology. This course is given during the second term; it consists of didactic lectures (2 hours a week) and laboratory work, consisting of staining, mounting and microscopic study of normal human tissues, illustrated by lantern demonstrations (6 hours a week). 128 hours.

Sophomore Year

(5) *Regional Anatomy*: Didactic lectures (2 hours a week) and laboratory work (10 hours a week), covering the remaining parts to be dissected. This course is continued throughout the year. 372 hours.

(6) *Neurology*: Didactic lectures (2 hours a week) and laboratory work (4 hours a week) during the second term. This course consists in the study of the gross anatomy of the sheep's brain and human brain and cord. 96 hours.

Junior and Senior Years

(7) *Surgical Anatomy and Operative Surgery on the Cadaver*: This course is given in the anatomical laboratory under the direction of the department of surgery. 64 hours.

(8) *Anatomy of the Ear, Eye, Nose and Throat*: A special course conducted under the direction of the head of this department.

(9) *Anatomy of the Female Pelvis*.

DEPARTMENT OF PATHOLOGY, BACTERIOLOGY AND HYGIENE

The laboratories for this department consist of a large, well-lighted room with ample capacity for eighty students, a research laboratory, preparation rooms and a private laboratory for the teachers of the department.

The laboratories are equipped with 75 modern Leitz microscopes (which are used in common with histology), oil immersion lenses, Leitz epidiascope, Edinger projection apparatus and all necessary material for teaching and research in Pathology and Bacteriology according to advanced standards.

In the pathological research laboratory is ample equipment for all kinds of histological work, including paraffin, celloidin and freezing methods of tissue preparations, microtomes, incubators, high speed centrifuge, thermostats, reagents, stains, museum jars, glassware, etc. There is also equipment for serum and immunity work.

The material for teaching and research purposes represents carefully selected tissues from autopsies and surgical operations that have been collected for a number of years.

Material for gross demonstrations comprises a large number of museum specimens covering a great variety of special lesions and including malignant and benign new growths.

Bacteriology and Protozoology

Sophomore Year

(1) Two lectures per week—(32 hours).

Recitations—1 per week—(16 hours).

Laboratory: 2 periods per week of 3 hours each (96 hours).

This subject is taught in lectures and recitations and in the laboratory.

The lecture course first deals with the principles of general bacteriology; that is, with morphology, biology, classification, pathogenesis and immunity.

These general principles are illustrated by the study of the special groups, including the more important non-pathogenic

and all the important pathogenic bacteria. These organisms are studied in the laboratory where the student becomes familiar with the methods of preparing culture media, obtaining pure cultures and observing bacteria in the live state and in permanent stained specimens.

The course also includes a study of the principles of immunity, Ehrlich's side chain theory and the various serum reactions. Such tests as the Widal are demonstrated and practiced by the student.

Finally the important pathogenic protozoa, such as plasmodium malariae, amœba histolytica, trypanosoma, sarcosporidia, etc., and the most important of the infectious tropical diseases, are studied. Professor Kirk and Dr. Edmundson.

Course (1A) Short course in Bacteriology, Summer Quarter.

Two lectures per week—(24 hours).

Laboratory: 2 periods per week at 3 hours—(72 hours).

This course includes, in the main, the subject matter of course 1, except that immunology is treated only in outline. Professor Kirk and Dr. Edmundson.

General and Special Pathology

Sophomore Year

(2) *First Semester:* General Pathology.

Two lectures per week—(32 hours).

Recitation—1 hour per week—(16 hours).

Laboratory: 2 periods per week at 3 hours—(96 hours).

(3) *Second Semester:* Special Pathology.

Two lectures per week—(32 hours).

Recitation—1 hour per week—(16 hours).

Laboratory: 2 periods per week at 3 hours—(96 hours).

Laboratory lectures and demonstrations on the intestinal parasites of man and the domestic animals.

One lecture per week—(16 hours). Professors Herzog and Kirk, and Dr. Edmundson.

The subject of Pathology is taught by systematic didactic lectures, by recitations, autopsies and in the laboratory. The lectures will cover the whole domain of general and special pathology and they will be illustrated by means of post-mortem specimens prepared by the Kaiserling method, microscopic sections and lantern slides projected on the screen. The laboratory course in pathology is given by the professor and his assistants in connection with and following the lectures and demonstrations. Particular stress is laid upon the laboratory course in general pathology, which necessarily must form the foundation for all studies in histo-pathology. No student can ever expect to acquire any degree of skill in microscopic pathologic diagnosis unless he masters general pathologic histology. Hence the students will be required to stain and mount a complete set of 100 or more sections representing such subjects in general pathology as disturbances of circulation, thrombosis and embolism, edema, hemorrhage, necrosis, degenerative cell changes, gangrene, cloudy swelling, fatty infiltration and degeneration, fat necrosis, hyaline degenerations, cornification, petrification, ossification, pathologic pigmentation, regeneration, atrophy and hypertrophy, inflammation acute, subacute and chronic. The infectious granulomata like tuberculosis, syphilis, actinomycosis, glanders, botryomycosis, blastomycosis and finally tumors, benign and malignant, connective tissue—epithelial and mixed neoplasms will be thoroughly studied in sections. The student will be required to draw and describe each section mounted, his collection of sections and his drawings and descriptions will form part of his record and grade in pathology.

Special pathology will likewise be studied in the laboratory and the students will be required to prepare, draw and describe the sections.

The students will also be familiarized with the common methods of fixing, embedding and sectioning pathologic material, the use of the microtome, etc.

Intestinal parasites of man and the domestic animals. This subject will be taken up in laboratory lectures and demon-

strations during the third year in the second term. Professors Herzog and Kirk and Dr. Edmondson.

(4) *Autopsies*: Post-mortems are held at the Cook County Hospital by the head of the department who is one of the pathologists of this institution. Each student must attend at least thirty autopsies and he must furnish at the end of his junior year at least 30 complete post-mortem protocols of autopsies which he has attended. Pathologic material will be collected at the autopsies and will be worked up in the laboratory and studied by the students. A limited number of students will be permitted to attend autopsies held by the head of the department and his assistants in other hospitals. Professor Herzog and Cook County Hospital Staff.

Hygiene and Sanitary Science

(5) This course deals with the applications of bacteriology to municipal hygiene; the safeguarding of water supply and food supply; the sanitary aspects of ventilation, disposal of garbage; disinfection; the occupational diseases; vital statistics; personal hygiene and kindred problems.

Serology and Immunity

(6) The lectures deal with the principles of immunity, the various types of immunity, the immune bodies and the method of their production, their relation to the reaction of the human body in infection, and the use of specific serum therapy in disease. The various clinical uses of the serum reactions, Wassermann reaction, Widal reaction and preparation of vaccines, are demonstrated and the student is given the opportunity to learn by practical exercise the method of the more common clinical serological methods. In other cases demonstrations are given to illustrate the various reactions of immunity, and to make more clear the mechanism of immunity. In all such demonstrations the students are given as much opportunity as possible to assist in the experiment.

(7) *Clinical Pathology*: A laboratory course in the prac-

tical methods of examining blood, urine, gastric contents, sputum, transudates, exudates, etc., particularly from the standpoint of diagnostics. Professor Kirk and Dr. Edmundson.

(8) *Parasitology*: This course comprises a detailed study of such parastic organisms as are usually not dealt with in detail in general bacteriologic courses. Special attention will be given to the protozoa, as plasmodium malariae, amoeba histolytica typanosoma, sarcosporidia; to the cytodagnosis of certain viruses, as rabies; and to organisms of problematic classificatory relationship, as certain spirochetes; also to the intestinal parasites. Dr. MacLane.

DEPARTMENT OF THERAPEUTICS

The aim of the course is to give the student a practical knowledge of a comparatively limited number of drugs of acknowledged therapeutic utility. Laboratory work is emphasized, to train the student in the actual carrying out of various therapeutic procedures as well as to give him a clear idea of the general principles and of the more important phenomena involved in the study of pharmacology. The work of the department includes the study of remedial measures other than drugs, especially of physical remedies and of diet.

Required Courses—Second Year

(1) *Prescription-Writing and Pharmacy*: Each student prepares typical specimens of each of the more important classes of pharmaceutic preparations, and practices prescribing them.

* One hour laboratory work per week, *first semester*.

(2) *General Therapeutics*: Remedial measures from the standpoint of the desired effect, e. g., diuresis, diaphoresis, catharsis, antipyresis, anesthesia, hypnosis, antiseptis, etc., with emphasis upon the best methods of obtaining these results.

Lectures and recitations, two periods of one hour each week throughout the year.

(3) *Non-Pharmaceutical Therapeutics*: Remedial measures other than drugs, such as psychotherapy, mechanotherapy, hydrotherapy, electrotherapy, radiotherapy, climatotherapy, and dietetics. Laboratory work in mechanotherapy and hydrotherapy, and with electrotherapeutic and roentgenologic apparatus.

Lectures and recitations, one-hour periods per week. Laboratory work, one period of one hour per week to small sections, *second semester*.

DEPARTMENT OF MEDICINE

The course in Medicine begins in the Sophomore year with the study of normal physical diagnosis, and methods of physical examination.

The work of the Junior year is devoted to building a broad foundation of the fundamental facts of the practice of medicine, special emphasis being placed in Clinical Pathology, Symptomatology and Diagnosis. Work consists of lectures, conferences, recitations from standard text books, together with practice in physical diagnosis and diagnostic methods in the dispensary clinics.

In the Senior year the instruction is essentially clinical and is given in the various dispensaries and hospitals connected with the school. Conferences are conducted by several of the instructors.

A thorough course in pediatrics is given in the Junior and Senior years, special stress being placed in physical diagnosis of infants and infant feeding. Lectures and quizzes on all the diseases of infancy and childhood is part of the regular course.

(1) *Physical Diagnosis*: Lectures and demonstrations one hour each week throughout Sophomore year.

(2) *General Medicine*: Lectures and recitations each week during the Junior year.

(3) *Recitations from Text Book* two hours each week throughout the Junior year.

(4) Pediatrics: Lectures and recitations two hours each week during the Junior year.

(5) Dispensary Practice: In sections, 24 hours for each Junior student throughout the year.

(6) General Medicine: Lectures and conferences six hours each week during Senior year.

(7) Medical Clinics: Sections throughout Senior year in Alexian Brothers Hospital, St. Bernard's Hospital, St. Mary's of Nazareth Hospital and Jefferson Park Hospital.

(8) Dispensary Clinics: Sections—24 hours for each student throughout Senior year.

(9) Pediatrics: Clinical conference two hours each week throughout Senior year. Professor Wade and Dr. Suldane.

(10) Pediatric Clinics: Sections—48 hours for each student throughout Senior year—Mary Crane Nursery and Hospital. Dr. Suldane.

DEPARTMENT OF SURGERY

The course in Surgery is systematically graded. In the Sophomore year instruction in minor surgery and bandaging is given. In the Junior year recitations and lectures on the principles of surgery and surgical pathology are given. In this year there are also given two amphitheatre clinics a week and a daily dispensary clinic.

In the Senior year a course of lectures, demonstrations and quizzes on regional surgery, and operative surgery on the cadaver and dog, and clinics in hospitals are given.

1. Sophomore Year

Recitations, demonstrations and quizzes on minor surgery and bandaging one hour a week throughout the year. Dr. Redden.

2. Junior Year

(a) Principles of Surgery. Recitations and lectures four 1-hour periods a week throughout the year to sections of the class. Drs. Robinson, Hartigan, Corcoran, and Wallin.

(b) Clinical Surgery. Diagnostic and operative clinic, Jefferson Park Hospital, one 2-hour period a week. Dr. Laftry.

(2) Dispensary clinic, 1-hour period four days a week. Drs. Corcoran, Laftry, and Flynn.

3. Senior Year

(a) Regional Surgery. Recitations and lecture, two 1-hour periods a week throughout the year.

October—Surgery of the Head and Neck. Prof. Murphy.

November—Surgery of the Thorax. Prof. Hessert.

December—Surgical Diseases of Joints. Prof. Hurley.

January—Surgical Diseases of Bones. Prof. Marcusson.

February—Hernia and Ileus. Prof. Byrnes.

March—Surgery of the Liver, Pancreas and Spleen. Prof. Walsh.

April—Surgery of the Stomach and Intestines. Prof. MacKechnie.

(b) Operative Surgery on Cadaver and Dog. In sections, one 2-hour period a week. Prof. MacKechnie and Dr. Robinson.

(c) Quiz and conference, two 1-hour periods a week throughout the year. Drs. Apfelbach, Berger, Garvey, Dooley, and Kelly.

(d) Clinical Surgery, Diagnostic and Operative. Sections of the class, giving each section a daily clinic as follows:

(1) St. Bernard's Hospital.

Six 4-hour periods a week. Dr. Hurley.

(2) Alexian Bros. Hospital.

Six 4-hour periods a week. Drs. Murphy, Hessert, and Harris.

- (3) St. Elizabeth's Hospital.
Six 4-hour periods a week. Drs. Sullivan, Sanford,
and Apfelbach.
- (4) St. Anne's Hospital.
One 3-hour period a week. Drs. Walsh and Meany.
- (5) Oak Park Hospital.
Six 4-hour periods a week. Dr. Scott.
- (6) Columbus Hospital.
Six 4-hour periods a week. Drs. Byrnes and McGinn.
- (7) Cook County Hospital.
Three 2-hour periods a week. Dr. Tarnowsky.
- (8) Mercy Hospital.
Two 3-hour periods a week.
- (9) Lakeside Hospital.
One 3-hour period a week. Prof. MacKechnie.
- (10) West Side Hospital.
One 3-hour period a week. Drs. Conley and Corcoran.
- (11) Norwegian Deaconess Hospital.
One 3-hour period a week. (Orthopedic.) Prof. Holmboe.
- (12) Jefferson Park Hospital.
One 2-hour period a week.

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

The courses in Obstetrics and Gynecology are conducted in correlation throughout the fourth and fifth years. The instruction comprises lectures, recitations, demonstrations, out-patient and hospital clinics, and exercises with the mannikin.

Junior Year

(1) Recitations on the Anatomy and Physiology of the Female Pelvis and Generative Organs. 16 hours. Prof. de Roulet.

(2) Methods of Gynecological Examination and Diagnosis, Functional Gynecological Disorders. 32 hours. Prof. de Roulet.

(3) Dispensary Clinics three times a week.

(4) Lectures and Recitations on the Physiology of Pregnancy, Labor and Puerperium. 96 hours. Dr. Lavieri.

Senior Year

(5) Lectures and Conferences on the Pathology and Treatment of the Female Generative Organs. 64 hours. Prof. Lewis and Dr. de Roulet.

(6) Clinics at the Cook County, Jefferson Park, and other hospitals on the Diseases of Women. 96 hours. Prof. Lewis.

(7) Lectures and Conferences on the Pathology of Pregnancy, Labor and Puerperium. 64 hours. Drs. Carberry and Rose.

(8) Clinics on Midwifery at Jefferson Park and other hospitals and at patients' homes under charge of instructors. Prof. Lewis, and Drs. Elliot, Lavieri, Carberry, and Rose.

(9) Practical exercises on the obstetric mannikin; to the class in small sections. Dr. Elliot.

Text-books: Lewis & De Roulet's Manual of Gynecology; Eden's Manual of Obstetrics; De Normandie's Case Histories in Obstetrics; Crossen's Diseases of Women; Hirst's Obstetrics.

DEPARTMENT OF DERMATOLOGY

Junior Year

(1) *Lecture*: Introduction to dermatology, physiology of the skin, demonstration of histology by projection on screen. Didactic lectures thereafter, special dermatology illustrated by plates, photographs and by demonstration of patients. 32 hours.

Senior Year

(2) *First Semester*: Lectures on syphilis of the skin and the mucous membranes with demonstration of spirochetæ by dark-field illumination, and by stained specimens. Demonstration of plates and patients. 16 hours.

(3) *Second Semester*: Lectures on special dermatology; illustrated by plates, photographs and patients. 16 hours. Clinical lectures at the college or the hospitals to classes of not more than twenty students will be given throughout the year.

The department in conjunction with the department of pathology has been able to prepare a valuable collection of specimens and slides on various dermatological subjects. An exceptionally fine collection of cultures of different pathogenic fungi, especially those of interest to dermatologists.

The specimens taken at will from this collection will be studied by the students in small sections under the guidance of some of the members of the department.

Text-books: Stelwagon, Shamberg.

DEPARTMENT OF OPHTHALMOLOGY

The work in this department is designed to meet the requirements of those intending to become general practitioners of medicine. The instruction is thoroughly practical and consists of the following courses:

Junior Year

(1) The work in this course consists largely of laboratory exercises and clinical demonstrations. The class is arranged

in small groups of students in order that each may have personal instruction. The student is drilled in the use of the ophthalmoscope and elementary refraction. One hour each week throughout the year.

(2) Dispensary instruction, diagnosis and treatment of the commoner diseases of the eye. Sections. 12 hours

Senior Year

(3) Systematic lectures on common diseases of the eye. One hour each week throughout the year.

(4) Clinical Ophthalmology Sections throughout the year.
Text-books: May, Weeks, Fuchs.

DEPARTMENT OF RHINO-OTO-LARYNGOLOGY

In the work of this department clinical teaching will be the special feature.

Junior Year

Lecture once a week. 32 hours.

Clinic, one hour a week to class in sections. 32 hours.

Minor practice to sections.

Senior Year

Clinic once a week at college. 32 hours.

Clinic twice a week in sections at Illinois Charitable Eye and Ear Infirmary. 64 hours.

Practical course in ear and nose surgery on cadavers and animals to advanced students. Elective.

Text-books: Ballinger, St. Clair Thompson, Wendell Phillips, Gleason.

NEUROLOGY AND PSYCHIATRY.

Neurology

Instruction in Neurology is given throughout the Senior year, two hours a week being devoted to didactic lectures supplemented from time to time with clinical demonstration.

Functional and occupational diseases receive the full attention which their importance demands.

Psychiatry

The work in Psychiatry consists of one lecture each week throughout the senior year supplemented by clinical instruction in sections in the Detention Hospital and the various State institutions, the student being afforded full opportunity of observing and studying the more important types of mental disorders.

MEDICAL JURISPRUDENCE

One hour a week during the Senior year is devoted to this subject. The course includes the consideration of medical evidence, dying declarations, privileged communications, expert testimony, the legal aspects of sterility, rape, pregnancy, legitimacy, abortion, wounds, poisoning, malingering, and industrial and occupational diseases.

GENITO-URINARY SURGERY

The work of this department is carried on by recitations and clinics throughout the Senior Year. One didactic lecture is given each week, while clinics are held daily in the College and Salvation Dispensaries. Sections of the class attend clinics at the Alexian Brothers, Columbus, Bridewell and other hospitals where there is an abundance of clinical material.

The student is taught the intravenous method of administering Salvarsan, the use of the urethroscope, cystoscope and other instruments employed by urologists for diagnostic and therapeutic purposes. Each student is required to examine and treat patients under the supervision of an instructor.

DISPENSARY CLINICS

The clinic is divided into ten departments for the study of the various diseases. Every student is assigned to a given

room for a stated period, when he is transferred to another, and in that way each must devote a certain portion of his time to each clinic. The members of the clinical staff are in attendance from 2 to 3 p. m. daily, throughout the year, except Sundays and holidays.

The work is so arranged as to give every student the best possible advantage in making diagnoses, outlining treatment, which includes a review in prescription writing and the physiological action of drugs. An attending physician in each room assists the student, confirming his diagnosis, writing the prescription, and quizzing over the different points of interest with each patient.

The Clinical Laboratory is also arranged in this department, where students are assigned to a period of laboratory work. In this work they get the same experience as if in a private laboratory in their own offices, making examinations of specimens which are collected throughout the clinic.

Students who fall short in their attendance in the regular clinic hours during the year must attend clinical work during the summer.

Students must conduct themselves in a decorous manner in the clinic rooms, and patients must be treated with the same consideration as in a private office.

Students are not allowed in any clinic room but that to which they are assigned, except by permission of the instructor to whom they are assigned, nor can they get credit for attendance unless they are actually present at roll call and remain in attendance.

All students entering the clinic must provide themselves with the following instruments: Clinical thermometer, stethoscope, head mirror, ear speculum, ear syringe, nasal speculum, tongue depressor, laryngoscopic mirrors, probes and applicators.

Students not providing themselves with these instruments of diagnosis will not be permitted to attend.

Graduates

GRADUATES SEPTEMBER 23, 1916

Bengoa, Jose T. Larrauri	Leonard, Joseph Cyril
Brown, James Blaine	McFadden, James Thomas
Chiasson, Joseph Paul	Mayer, Emil Valentine
Da Alarid, Leon J. Perez	Niggeling, Martin
Dulak, Francis A.	Nicholson, Niles H.
Flanary, Milton Don	Omens, David
Giro, Juan B. Estrada	O'Neill, Joseph Thomas
Gotay, Jose B. Velez	Osborne, A. Null
Gomberg, Harry	Pruner, A. Caskie
Highsmith, Charles Otto	Provost, Benjamin W.
Hefferan, Joseph Michael	Pickett, William Joseph
Hodgkins, Everett Winfield	Rasck, Alfred G.
Hradniansky, Charles	Rogers, Samuel Junious
Jarrell, Mary Wynn	Seale, William Carl
Kirkpatrick, Robert Ross	Sodaro, Anthony
	Swanson, Charles A.

GRADUATES JANUARY 27, 1917

Alba, Salvador C.	Maguire, Franklin T.
	Mayo, Woodward B.

GRADUATES JUNE 19, 1917

Alexander, Charles Burton	Jones, C. Carroll
Aton, Maurice William	Johnstone, Kristine B.
Axelrad, Samuel	Lescher, Henry George
Belensky, John Joseph	MacLane, Cleveland C.
Berdeica, Ramon Berrios	Martinez, Enrique Carranza
Black, Orville Evans	Matlock, Charles William
Brinkman, Waldo F.	Mix, Bronislaus
Campbell, Duncan D.	Meyer, Keith Thomas
Carmichael, Earle K.	Montvid, Anthony A.
Charriez, Juan Lastra	Nathanson, Israel
Connor, Charles Henry	O'Connell, John T., Jr.
Cortez, Manuel Quintana	Opitz, John Hoff
Dougherty, Leslie Dwight	Otteraaen, Andrew
Eisenberg, Philip J.	Phelan, Thomas F. X.
Flanders, John Aiken	Robinson, George Marchmont
Freeman, Roy Harvey	Sandler, Arthur S.
Fein, Alfred L.	Shea, Daniel Edward
Gasco, Fred Harrison	Street, Russell Barber
Gorecki, Helen Eleonore	Slaney, Andrew Francis
Glatt, Morris A.	Sondel, Herman Martin
Harrell, Roy W.	Stoeckinger, Joseph A.
Holland, David Lewis	Susarrey, Xavier C.
Howard, William H.	Turner, George Ellsworth
Johannesson, Carl J.	Trillo, Jose Villegas
	Woelffel, Lucinda M.

Matriculants for the Session of 1916-17

Abbreviations for periods of attendance:

No Mark—Entered September, 1916.

Letter S—Entered June, 1916.

Letter W—Entered January, 1917.

FRESHMAN CLASS

Allen, Thomas L.....	Wisconsin
Baushke, Carl	Michigan
Boe, Arnold H.....	Illinois
Brown, Sidney	Illinois
Browning, Lon E.....	West Virginia
Campbell-Chatterton, George B.....	Illinois
Chesrow, Albert J.....	Illinois
Coppinger, Earl T.....	Illinois
Derengowski, Frank R.....	Illinois
Drolson, George A., W-'17.....	Wisconsin
Feinberg, Samuel M.....	Illinois
Goldfein, Abe, W-'17.....	Illinois
Gutmann, Frank J.....	Illinois
Harris, John G.....	Illinois
Helfers, Edward Carl.....	Illinois
Herrmann, Nicholas Anton.....	Illinois
Johnston, Lester	Illinois
Johnston, Harry Lynn.....	Indiana
Janda, Charles	Illinois
Kane, I. Major.....	Illinois
Kane, John J.....	Wisconsin
Kelly, Arthur L.....	Illinois
Kiesler, Frank E.....	Illinois
Lake, Elijah Sherman.....	Illinois
Lassen, Harry C.....	Illinois
Levy, David	Illinois
McGrath, James Gerard.....	Illinois
McNeil, James G.....	Iowa
McNamara, John Francis.....	Rhode Island
Mankowski, Henry L.....	Illinois

Moran, Tressa Rose.....	Ohio
Park, Pinckney French.....	Missouri
Plant, Robert	Illinois
Palkovic, Rudolph	New York
Plucinski, Stanislaus J.....	Illinois
Rosenzweig, Edward Harry.....	Illinois
Roubik, Edward C.....	Illinois
Rusch, Anthony John.....	Illinois
Savory, Gerald B.....	Illinois
Snell, Noble R.....	Michigan
Skiba, Alexander E.....	Illinois
Stefanic, Edward J.....	Iowa
Strand, Joseph F.....	Illinois
Tassie, Ralph Nelson.....	Michigan
Veseen, Leslie L.....	Illinois
Williamson, John C.....	Illinois
Wilcox, Leslie C.....	Utah

SOPHOMORE CLASS

Almquist, Herman Elof.....	Minnesota
Arenson, Harry L.....	Illinois
Ayon, Raphael	Nicaragua
Bohm, William H.....	Indiana
Braginton, Fred	Illinois
Burns, Frank J.....	Illinois
Chapman, Lille Forrest.....	Nebraska
Cunningham, James Edward.....	Illinois
Chesne, Irving	Illinois
Daugherty, Charles Mason.....	South Dakota
Dybalski, John Francis.....	Illinois
Feinberg, Isadore M.....	Illinois
Fitzpatrick, John Michael.....	Iowa
Hutchinson, Joseph P.....	Illinois
Jacobson, Jacob	Illinois
Karl, Frank C.....	Illinois
Karl, Morris A., W-'17.....	Illinois
Kirchof, John	Illinois
Krol, Francis B.....	Illinois
Lewis, Willis Ivan, W-'17.....	Missouri
Leon, Harry G.....	Illinois
Lowell, Jay Webb.....	Illinois
Marino, Philip	New York
McCrary, Jay G.....	Illinois

McLaughlin, Martin E.....	New Jersey
Mullins, Hugh W.....	Montana
Ortiz, Guillermo Guzman.....	Porto Rico
Piotrowski, Leo Joseph.....	Pennsylvania
Rieger, Karl Benedict.....	Illinois
Rouse, Benjamin H.....	Illinois
Resnick, Benson L., W-'17 (Special).....	Illinois
Sampolinski, Antonio Signunt.....	Illinois
Schreiner, Otto W.....	Wisconsin
Theriault, Charles Arthur.....	Canada
Yonafsky, Hyman, W-'17 (Special).....	Illinois

JUNIOR CLASS

Anderson, Earvye H., S-'16.....	Illinois
Anderson, Victor Joseph.....	Illinois
Barth, Walter James.....	Illinois
Beck, Karl Michael.....	Wisconsin
Becker, Peter Bryant, W-'17.....	Illinois
Bennett, William Herbert.....	Georgia
Billow, Samuel	Illinois
Bolstead, Stanford T.....	Wisconsin
Burke, James W.....	Illinois
Copia, George Henry Joseph.....	Illinois
Croutch, Benjamin Franklin.....	Illinois
De Julia, Mario, W-'17.....	Porto Rico
Dry, Frank Mortimer.....	Illinois
du Plessis, Jean Thomas.....	South Africa
Enneis, Frank Barton.....	Florida
Feldott, Harry Raymond.....	Illinois
Fisher, Bertha Gae.....	West Virginia
Flanan, David James	New York
Fortney, Millard Hunter.....	West Virginia
Freund, Charles A.....	Illinois
Fox, Lawrence Patrick, W-'17.....	Ohio
Georgen, Philip C.....	Minnesota
Goldfield, Bernard	Illinois
Gray, Charles Rush.....	Florida
Halpin, Franklin J.....	Illinois
Heinze, Eugene P.....	Illinois
Kalvelage, Edward B., W-'17.....	Illinois
Kopprasch, William Albert, W-'17.....	Illinois
Lattman, Oswald D.....	Illinois
Makar, Ignatius	Illinois

McMillen, James E.....	Illinois
McDonnell, Owen Joseph, W-'17.....	Illinois
Mackowiak, Felix W., W-'17.....	Illinois
Mintek, Stanley	Illinois
Quigley, Esther Frances, W-'17.....	Illinois
Reich, Stanley Henry.....	Illinois
Ruzic, John Francis.....	Illinois
Sanderson, Melville	Minnesota
Sarpalius, John W., W-'17.....	Pennsylvania
Smith, John Francis.....	Texas
Tierney, George Francis.....	Illinois
Troy, John Edward.....	Illinois
Wachlin, Edwin	Illinois
Whamond, Robert F., W-'17.....	Illinois
Watry, Oliver Joseph, W-'17.....	Illinois
Wojczynski, Aloysius J.....	Illinois
Wheat, Joseph H.....	Alabama

SENIOR CLASS

Alexander, Charles Burton.....	Pennsylvania
Altman, David, W-'17.....	Illinois
Anderson, G. Franklyn.....	Canada
Aponte, Pedro Rivera, W-'17.....	Porto Rico
Aton, Maurice William.....	Indiana
Axelrad, Samuel	Illinois
Belensky, John J.....	Pennsylvania
Berdecia, Ramon Berrios.....	Porto Rico
Black, Orville Evans.....	Illinois
Borchert, Herman F.....	Illinois
Brinkman, Waldo F.....	Indiana
Bustillo, Vincente C. Jaen, W-'17.....	Cuba
Campbell, Duncan D.....	New York
Carmichael, Earle K.....	Colorado
Charriez, Juan Lastra.....	Porto Rico
Connor, Charles Henry.....	Massachusetts
Coppens, Jesse Brenton, W-'17.....	Michigan
Cortez, Manuel, Jr.....	Porto Rico
Coughlin, John P., W-'17.....	Illinois
Cruz, Martin R., W-'17.....	Philippine Islands
Davidson, William Arthur, W-'17.....	Alabama
Dickinson, Charles	Michigan
Dougherty, Leslie Dwight.....	Illinois
Eastman, Kent Lewis.....	Illinois

Eterno, John, W-'17.....	Illinois
Eisenberg, Philip J.....	Wisconsin
Fein, Alfred L.....	New York
Flanders, John Aiken.....	Illinois
Freedman, Joseph H.....	Missouri
Freeman, Roy Harvey.....	Illinois
Glasco, Fred Harrison.....	Illinois
Glatt, Morris A.....	Illinois
Gorecki, Helen Eleonore.....	Illinois
Gries, Rudolph A., W-'17.....	Illinois
Hansard, James R.....	Georgia
Haralson, Guy C., W-'17.....	Mississippi
Harrell, Roy W.....	Illinois
Hernandez, Jose Antonio, W-'17.....	Porto Rico
Holland, David Lewis.....	Illinois
Hodges, H. Stuart, W-'17.....	North Carolina
Hirschfeld, Siegmund, W-'17.....	Illinois
Holmes, Lydia.....	Illinois
Howard, William H.....	Illinois
Howell, Dennis Herman, W-'17.....	Illinois
Izquierdo, Eladio.....	Porto Rico
Johnstone, James Carlyle, W-'17.....	Illinois
Johnstone, Kristine B.....	Illinois
Johannesson, Carl Johan.....	Illinois
Jones, C. Carroll.....	Maine
Jusatus, Bernard F., W-'17.....	Illinois
Keeton, Robert Taylor.....	Tennessee
Kelly, Martin J.....	Illinois
Koppa, Walter G.....	Illinois
LaMarre, Victor Nazaire, W-'17.....	Illinois
Lescher, Henry George.....	Illinois
Looney, Vernon L.....	Missouri
MacLane, Cleveland Charles.....	Illinois
Malone, Leo Vincent.....	Ohio
Martinez, Enrique Carranza.....	Mexico
Matlock, Charles William.....	Kansas
Matushek, William Anton.....	Illinois
Meyer, Keith T.....	Wisconsin
Milner, Thomas Chapman, W-'17.....	Illinois
Mix, Bronislaus.....	Illinois
Monaco, Donat F., W-'17.....	Illinois
Montvid, Anthony A.....	Illinois
Nagle, Richard A.....	Illinois
Nathanson, Israel.....	Illinois
O'Connell, John T., Jr.....	Illinois

O'Connor, Deno F., W-'17.....	Wisconsin
Opitz, John Hoff.....	Illinois
Otteraaen, Andrew	Illinois
Perez, Eduardo Odio.....	Cuba
Phlegar, Robert J.....	Virginia
Phelan, Thomas F. X.....	New York
Rasmussen, Carl W. H., W-'17.....	Illinois
Reich, Robert, W-'17.....	Illinois
Reich, Morris	Illinois
Reyes, Antonio Ramon, W-'17.....	Porto Rico
Roberts, Sidney M., W-'17.....	Illinois
Robinson, George Marchmont.....	Illinois
Sandler, Arthur S.....	Illinois
Schwartz, Nathan	Illinois
Serra, Jaime, W-'17.....	Porto Rico
Shea, Daniel Edward.....	Connecticut
Slaney, Andrew Francis.....	Wisconsin
Sondel, Herman Martin.....	Illinois
Stoeckinger, Joseph A.....	Indiana
Street, Russell Barber.....	Connecticut
Susarrey, Xavier C.....	Mexico
Timms, Robert G.....	Illinois
Trillo, Jose Villegas.....	Mexico
Turner, George Ellsworth.....	Minnesota
Walsh, James J.....	Illinois
Weber, John P.....	Nebraska
Weir, Major Lee.....	Illinois
Woelffel, Lucinda M.....	California
Vourvachis, Petros, W-'17.....	Ohio
Villalobos, Ramon M.....	Mexico
Zaremba, John E.....	Pennsylvania

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